

INDOOR CYCLE

Console Manual



PRO 300PT
COMP 200E



Table Of Contents

System Overview.....	p.2
Installation.....	p.4
Zero Torque.....	p.6
Console Navigation.....	p.7
Dashboard Display.....	p.7
Functions.....	p.7
Console Set-Up.....	p.12
Setting User Information.....	p.13
Ride Type Selection.....	p.13
Setting (Recording Rate, Speed, Odometer, Audible).....	p.13
Setting (Averages).....	p.15
Setting (Zeros).....	p.17
Setup (Time & Date).....	p.18
Clear Memory.....	p.21
Test Information (Current Firmware Version, LCD, Backlight, Hub Heart Wheel, Torque, Data Ride and Data Test).....	p.21

Note -

- * Never disassemble the main unit, as it cannot be reassembled.
- * Handle the main unit carefully and avoid subjecting it to any shocks.
- * Do not use thinner or other solvents to clean parts such as the main unit and sensor, as they may dissolve the plastic console casings.
- * To clean these parts wipe them with a cloth soaked in a weak mixture of neutral detergent and water. **Avoid spraying the unit directly with solvent mixture.**
- * The console is water resistant, not water proof. Avoid sustained water contact and do not deliberately place the unit in water.
- * If you are not familiar with bike maintenance please contact a professional bicycle mechanic. The power measuring components of the Pro 300PT PowerTap flywheel assembly is highly complex and should only be serviced by Saris Cycling Group.
- * During the course of repair DO NOT remove the torque tube on the Pro 300PT model. There are no serviceable parts inside. Special tools are required for reassembly and calibration. If problems are suspected contact Saris Cycling Group directly at 800-783-7257 (001 608 274 6550).

System Overview

Congratulations! You have just purchased the finest indoor training device available. This bike has many features that distinguish it from any other indoor cycle on the market. The CycleOps Indoor Cycle mimics the custom fit and feel of your own bike out on the road, in an indoor setting. The CycleOps Pro 300 PT uses the proven PowerTap technology to give you real-time feedback on your training intensity. The console and included software (Comp 200E and Pro 300PT only) allow you to download your rides to a PC and track your progress over time. If you have any issues, comments or concerns, don't hesitate to give us a call at 800-783-7257 (001 608 274 6550), or visit us at www.cycleops.com.

Console Features

Both the Comp 200E and Pro 300 PT Indoor Cycles are equipped with a handlebar mounted console unit. The console receives a digitally-coded signal from the transmitter located in the hub(Pro300PT) or behind the chain ring(Comp200E). Speed and cadence on the Comp 200E, as well as watts and torque on the Pro 300PT, are interfaced from the rear hub signal. In addition the console displays current heart rate via a non-coded telemetry signal (chest strap).

Package Contents

Part #	Comp 200E and Pro 300 PT Only	Qty
17179	Console	1
13971	Chest Strap	1
17293	USB Cable	1
15661	Software CD	1
16198	Thumbscrew Console Knobs	2
16044	Cradle Bracket	1
16798	Allen Lim Power CD	1
	Training with Power Booklet	1

Technical Specs

Accuracy	+/-1.5% (Pro 300PT)
Signal Transmission	Digital RF
Interval Data Storage	Unlimited
Interval Display	9 Intervals (internal recording)
Operational Temperature	0 to 40 degrees c or 32 to 104 f
Battery Life (Hub)	1000 hours approx.
Battery Life (Console)	100 hours approx.
Battery Type (Hub)	N-Type, 1.5 volt/ANSI 910/IEC LR1 (2 ea)
Battery Type (Console)	AA type, 1.5 volt (3 ea)
Freehub fixing bolt torque	400-450 inch-lbs.

Range of Measurement

Power	0-1999 Watts
Torque	0-1999 inch-lbs.
Speed	2-59 mph (3-95 KPH)
Distance	0.00 to 9999.99 (Miles)
Trip Time	0.00.00-999.99 Minutes
Cadence	40-140 RPM (Revolutions per Minute)
Total energy	0-99999 Kilojoules
Odometer	0-99999 Miles or Kilometers
Heart Rate	0-255 BPM (Beats per Minute)
Maximum Rider Weight	300 lbs.

Warranty

The CycleOps Indoor Cycles are designed specifically for the home use and as such carry the following warranty:

All Saris Cycling Group Indoor Cycle products are warranted to the retail purchaser to be free from defects in materials and workmanship. Warranty coverage valid to the original purchaser only and proof of purchase will be required.

Residential Environment:

Frame: Lifetime

Parts: 3 years

Electronics: 1 year

This warranty excludes wear items that need to be replaced due to normal wear and tear.

This warranty does not cover:

1. Any component on original equipment that carries a separate consumer warranty of the parts supplier.
2. Normal wear and tear.
3. Any damage, failure or loss caused by accident, misuse, neglect, abuse, improper assembly, improper maintenance, or failure to follow instructions or warnings in Owner's Manual.
4. Use of products in a manner or environment for which they were not designed.

Saris Cycling Group, Inc.
Model #: PowerTap SL 2.4
FCC ID: T8P-SL24TT1
IC: 6459A-SL24TT1

FCC Statement of Compliance:

Statement of Compliance for FCC and Industry Canada:

"This device complies with Industry Canada and Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation."

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

Changes or modifications to this device not expressly approved by the party responsible for compliance with FCC regulations (the manufacturer) could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a normal installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

Limitations:

The foregoing warranties are in lieu of and exclude all other warranties not expressly set forth herein, whether express or implied by operation of law or otherwise, including, but not limited to, warranties of merchantability or fitness for a particular purpose. Saris Cycling Group shall in no event be liable for incidental or consequential losses, damages or expenses in connection with its exercise products. Saris Cycling Group's liability hereunder is expressly limited to the replacement of goods not complying with this warranty or, at Saris Cycling Group election, to the repayment of an amount of the purchase price of the exercise product in question. Some states do not permit the exclusion or limitation of implied warranties or incidental or consequential damages, so the preceding limitations and exclusions may not apply to you.

Procedures: Warranty service will be performed by Saris Cycling Group or an authorized Saris Cycling Group Dealer. The original purchaser must provide proof of purchase. Service calls and/or transportation to and from the Authorized Saris Cycling Group Dealer are the responsibility of the purchaser. 1. Saris Cycling Group will have the option to repair or replace any product(s) which require warranty service.

2. Saris Cycling Group will replace any equipment frame that is structurally defective with a new frame or replace the unit with a unit of equal value. Saris Cycling Group is not responsible for labor charges in replacing defective frames.

3. In the event a product cannot be repaired, Saris Cycling Group will apply a limited credit reimbursement toward another Indoor Cycle product of equal or greater value.

4. Saris Cycling Group is not responsible for dealer labor charges for component changeovers completed after labor-related warranty period(s) stated herein.

5. If you elect to repair an exercise product or part yourself, using the services of someone other than an Authorized Saris Cycling Group Dealer, or use a replacement part not supplied by Saris Cycling Group, Saris Cycling Group shall not be liable for any cost, damage, failure or loss caused by the use of such unauthorized service or parts.

5. If you elect to repair an exercise product or part yourself, using the services of someone other than an Authorized Saris Cycling Group Dealer, or use a replacement part not supplied by Saris Cycling Group, Saris Cycling Group shall not be liable for any cost, damage, failure or loss caused by the use of such unauthorized service or parts.

Cautions

Before starting any exercise program, consult with your physician or health professional. He or she can help establish the exercise frequency, intensity (target heart rate, power zone) and time appropriate for your particular age and condition. If you have any pain or tightness in your chest, an irregular heart-beat, shortness of breath, feel faint or have any discomfort while you exercise, STOP! Consult your physician before continuing.

Failure to follow any of these safeguards may result in injury or serious health problems.

*Do not remove feet from pedals while CycleOps Indoor Cycle flywheel is in motion.

*Do not attempt to ride the bike at high RPM's or in a standing position until you have practiced at lower RPM's.

*Do not place fingers or any other objects into moving parts of the exercise equipment.

*Keep children and pets away from the CycleOps Indoor Cycle while the machine is in use. Do not allow children to ride on the CycleOps Indoor Cycle.

Pedal travel ranges are designed and intended for adults.

*Never turn pedal crank arms by hand. To avoid entanglement and possible injury, do not expose hands or arms to the drive mechanism.

*Do not dismount the CycleOps Indoor Cycle until both the pedals and the flywheel are at a complete STOP.

*After exercising, turn the adjustment control knob clockwise to increase tension so the pedals will not rotate freely and possibly hurt someone.

Installation

Heart Rate Monitor Strap

Position the heart rate monitor strap on your torso as pictured in figure 1. The strap should rest just beneath the pectoral muscles of the chest. Make sure the electrodes on the strap are slightly moist where it contacts the skin for best results. The heart rate strap must be worn to enable the heart rate functionality of the Comp 200E and Pro 300PT models.

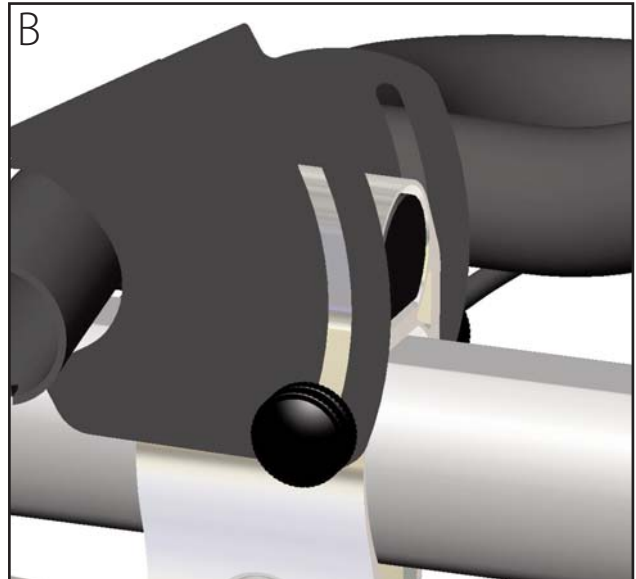
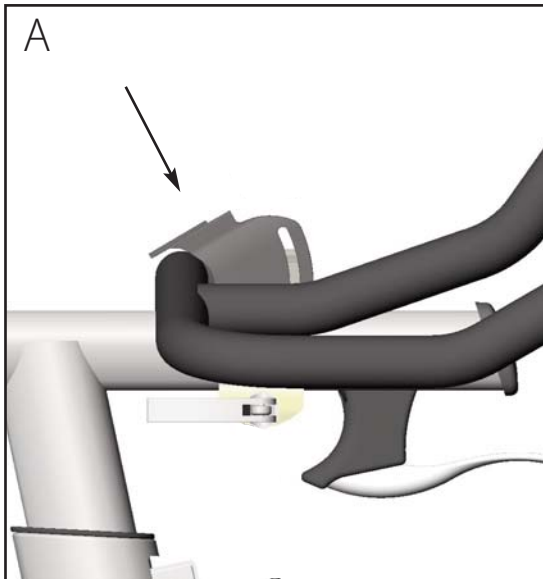
Figure 1

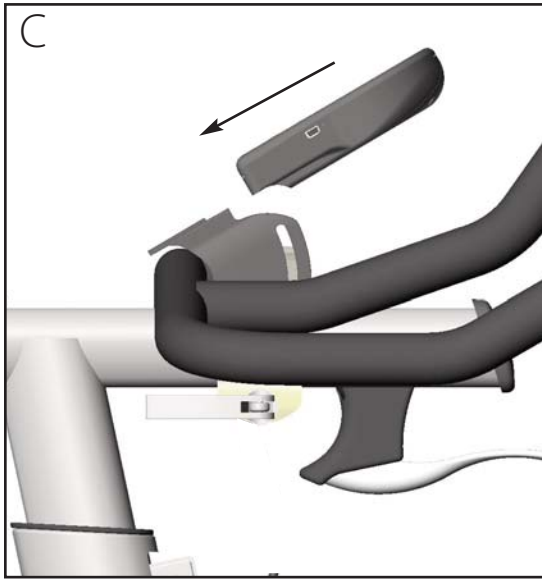


Bracket

When first setting up the CycleOps Indoor Cycle you must attach the console bracket to the bike. To do this follow the instructions below:

- A. Place bracket onto the handlebars as shown below.
- B. Insert screws through console bracket, handlebar bracket, and tighten together.
- C. Slide console onto base.





Console to bracket

To connect the console to the bracket, slide the console down onto the bracket. **Be sure to slide the console completely down onto the bracket to ensure a solid connection between the console and the bracket.** Make sure the contact points between the console and bracket remain clean and free from moisture or debris.



Batteries

The console ships with batteries. In the event the batteries need to be replaced over time, follow these simple steps:

1. Remove the back cover with a small philips head screwdriver
2. Remove batteries
3. Replace with fresh AA batteries, paying attention to properly line up the poles
4. Replace battery door and secure with small philips head screwdriver

IMPORTANT! How To Zero Torque

The torque must be zeroed to ensure that the PowerTap displays the most accurate power information. If the instantaneous power is positive, or negative, the torque needs to be zeroed. These operations must be done with NO tension on the chain or while stationary with NO force being placed on the pedals. Also, the transmission icon must be illuminated.

To zero torque first ensure the transmission icon is showing then press [DOWN ARROW] to move the cursor to [WATTS]. Press [SELECT] to change to [INCH-LBS]. Then hold down [SELECT] again until "0" is shown. Press [SELECT] to return to [WATTS]. The torque value will now read zero.

Console Navigation



Console Navigation

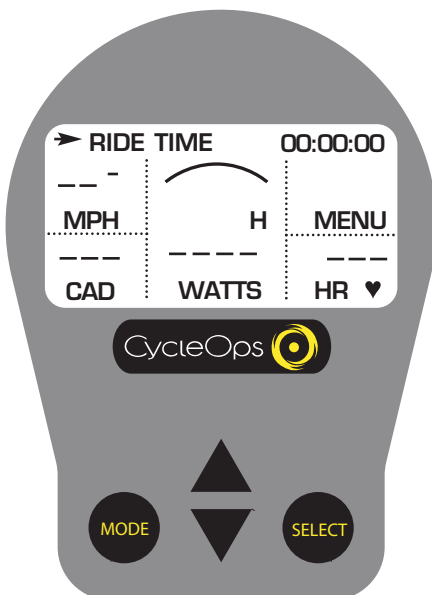
UP and DOWN ARROWS

[UP ARROW] and [DOWN ARROW] are used to scroll through the different fields on the console. [UP ARROW] and [DOWN ARROW] can also be used to move the navigation cursor on the [MAIN MENU]. Additionally, these arrows are used to increase or decrease values when establishing user profile features.

MODE and SELECT Buttons

Use [MODE] to toggle between different menu options and to enter the interval mode (See [INTERVAL MODE] for further details). Use [SELECT] to enter a new menu screen. It also functions as an "enter" function to escape a screen after making your selection.

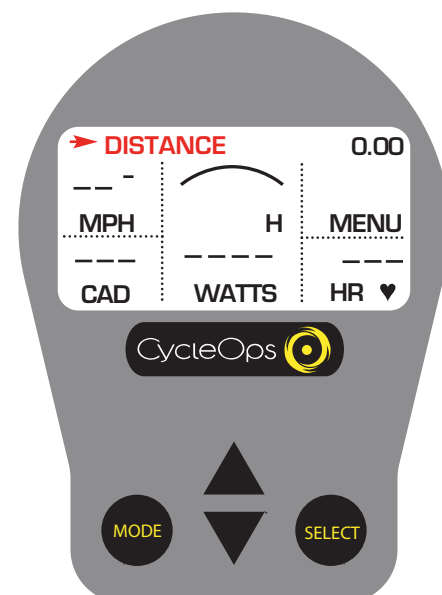
Dashboard Display



Display Definitions (Scrolling Top Bar)

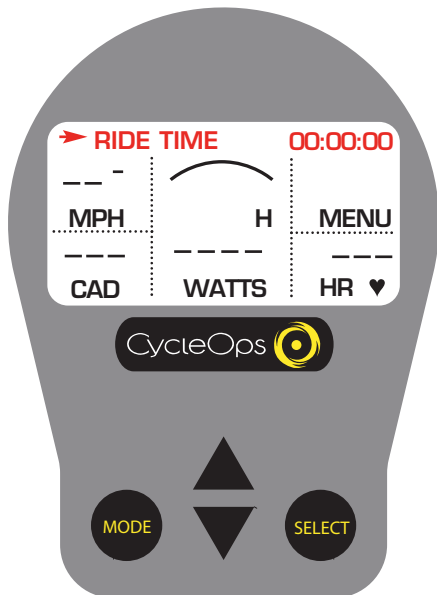
SCROLLING TOP BAR - From the dashboard display press [UP ARROW] or [DOWN ARROW] to move the cursor to the top bar and press [SELECT] to toggle through functions.

Functions



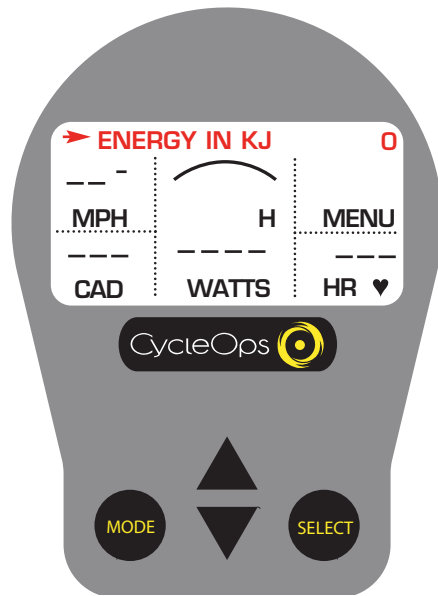
Distance

DISTANCE - Total trip or interval distance is displayed in miles or kilometers from 0.00 to 999.99. Distance displays in the same units as speed.



Ride Time

Total time that the user has ridden the bike. Time is displayed in (hours : minutes : seconds).



Energy in KJ

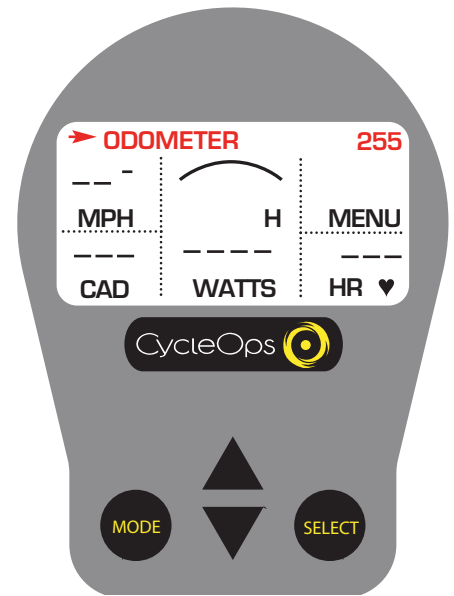
This value is a measure of the total work done over the course of your ride. Power is displayed in watts and is a measure of the intensity of work. Energy is calculated using the following equation. See Table 1 for an accurate estimate of Kjoules to Kcal conversion.

$$\text{Work or Energy (Joules)} = \text{Watts (Power)} \times \text{Time (Seconds)}$$

Table 1

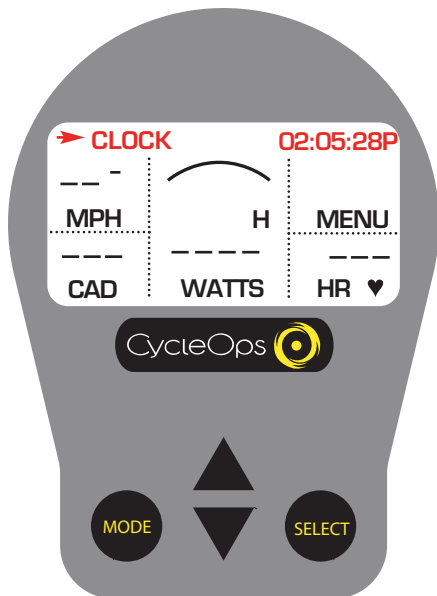
Gross Mechanical Efficiency	Correlation Factor Kjoules to Kcals	Rider Experience
18%	1.33	Novice
19%	1.26	
20%	1.19	Amateur
21%	1.14	
22%	1.09	US Pro
23%	1.04	
24%	1.00	Grand Tour
25%	0.96	
26%	0.92	

Estimated Caloric Correlation Factor- For an accurate estimate of Kcals, multiply the [ENERGY IN KJ] by the correlation factor best describing your riding experience.



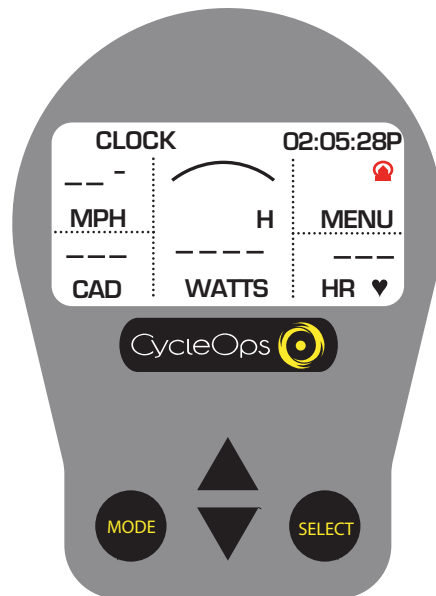
Odometer

This is a rolling tally of the distance that you have ridden the CycleOps Indoor Cycle. This can be displayed in Miles or Kilometers (see "Settings (Recording Rate, Speed, Odometer, Audible)" for details).



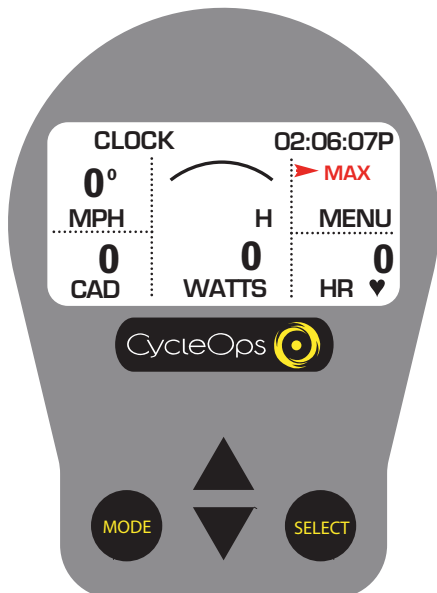
Clock

A real-time display of the current time of the day (see "Setup (Time and Date)" for details)

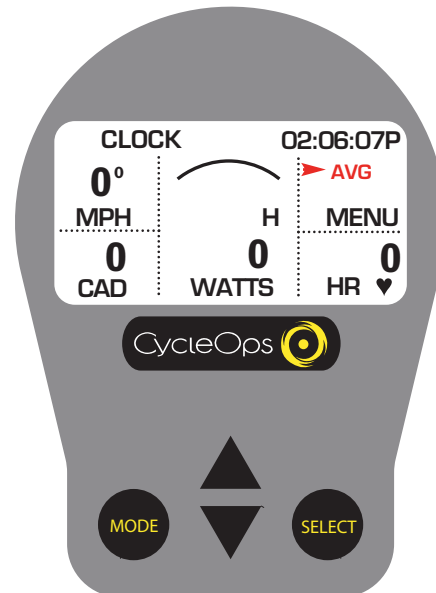


TRANSMISSION ICON

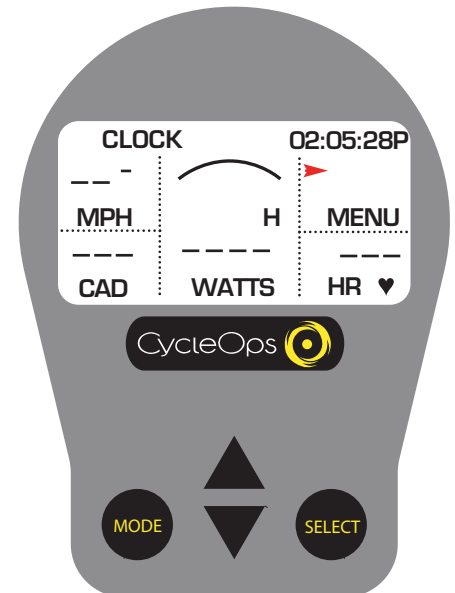
When this icon is showing, there is a signal transmitting from the hub to the receiver.



Maximum



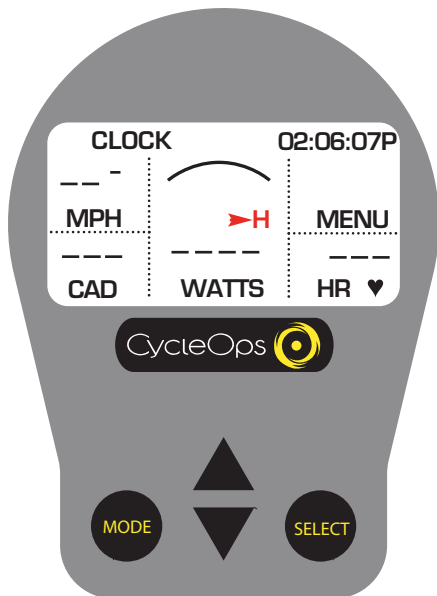
Average



Current

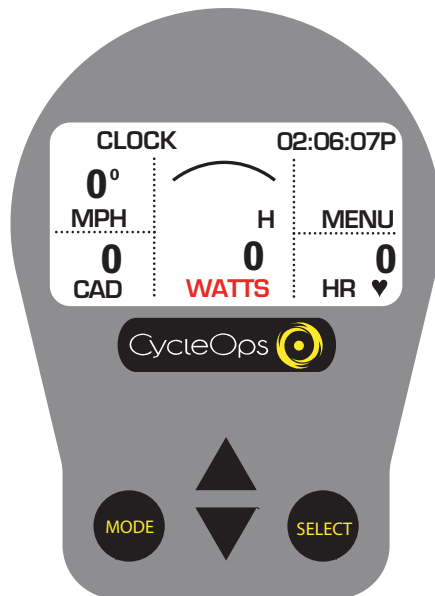
MAX, AVG, and CURRENT Field

This line displays the current, maximum or average values for the ride or interval. From the dashboard display, press [UP ARROW] or [DOWN ARROW] to move two spaces above [MENU]. Press [SELECT] to toggle between [MAX], [AVG], and current readings. Current readings are displayed when field is blank.



Tachometer

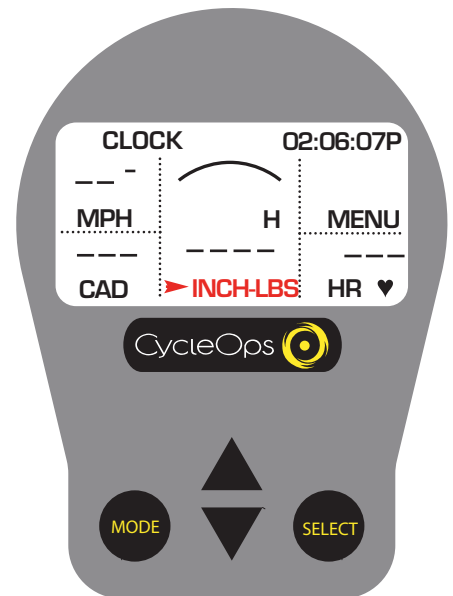
This functions as a visual interpretation of how hard you are working compared to a fixed wattage value. From the dashboard display press [UP ARROW] or [DOWN ARROW] to move the cursor to [H]. Press [SELECT] to change the maximum tachometer value (400, 600, 800 or 1000 watts).



Watts

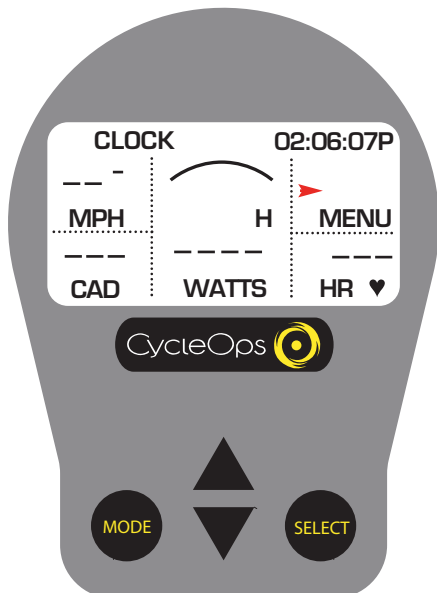
Real-time display of the current wattage placed on the flywheel. This is your power reading. Watts is derived from the following equation:

$$\text{Watts (Power)} = \text{Torque} \times \text{Angular Velocity}$$



Watts INCH-LBS

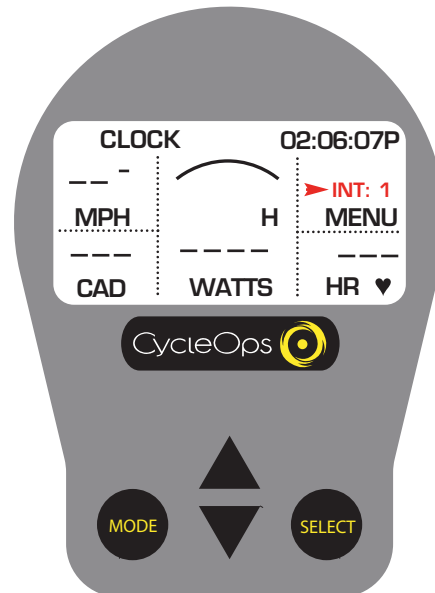
NOTE: If you press [SELECT] while the cursor is pointing to [WATTS] the line changes to [INCH-LBS]. This is the raw torque value that is being applied to the hub, NOT your power in watts.



Interval Mode

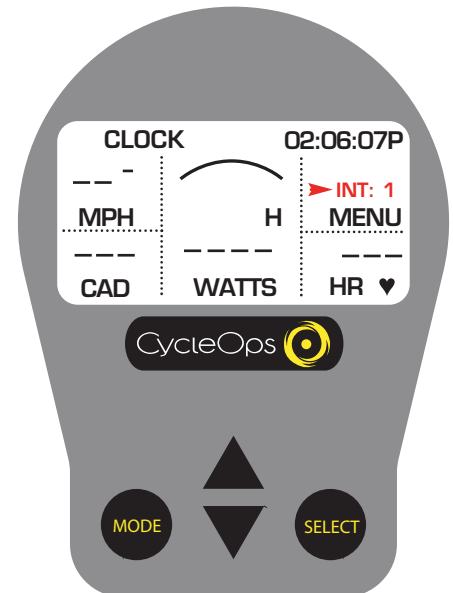
The console works as a lap marker, and is essentially always on.

1) From any location on the dashboard display press and release [MODE] and [SELECT] simultaneously. [INT] and the new interval # will briefly appear before disappearing again to the background in the field located above [MENU].



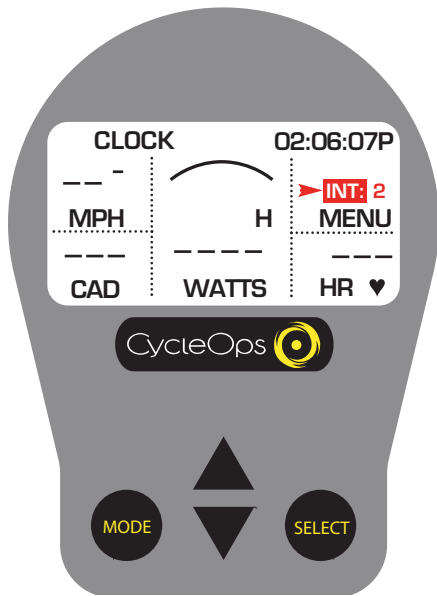
Interval Mode

2) To view interval specific data in the dashboard display press [UP ARROW] or [DOWN ARROW] until the cursor icon is in the space above [MENU]. Press and hold [MODE] for two (2) seconds. This brings interval mode to the foreground and [INT] and the interval number will constitute a third line in the display.



Interval Mode

3) When you wish to relegate the interval information to the background press [MODE] for two (2) seconds



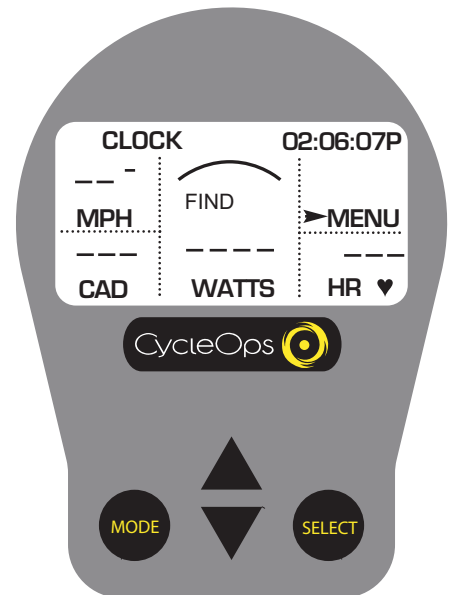
Interval Memory Mode

1) To access stored interval information press [UP ARROW] or [DOWN ARROW] to scroll to the interval line (See Interval Mode) and hold [MODE] for two (2) seconds. This brings interval mode to the foreground. Press [MODE] to move interval numbers up, and [SELECT] to move interval numbers down. Current intervals read black [INT] and memory intervals read white [INT] in a black box.

Console Find

Find

Hub consoles are “paired” or “learned” at the factory. Learning involves viewing and storing each device ID into the console. In addition, there is a feature called “Find” that allows the user to search for stored devices in the event a sensor has lost contact with the console for any reason. To initiate the Find, hold [Mode] and [Select]. Release when “Find” appears on the bottom of the screen after about 2 seconds. When the search is successful, the transmission icon appears in the upper right corner.



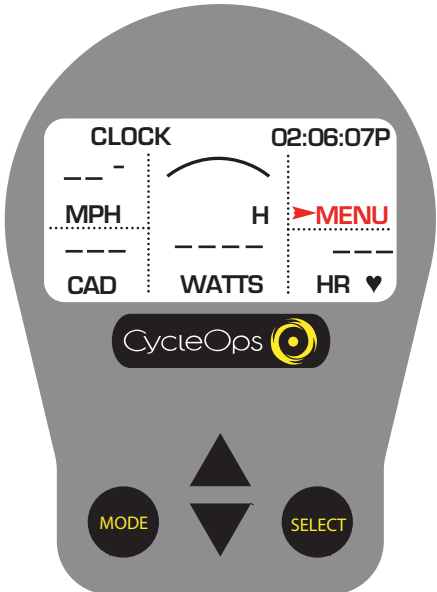
Find

From the dashboard display, press and hold [Mode] and [Select] until find appears and release (approx. 2 seconds).

Console Setup

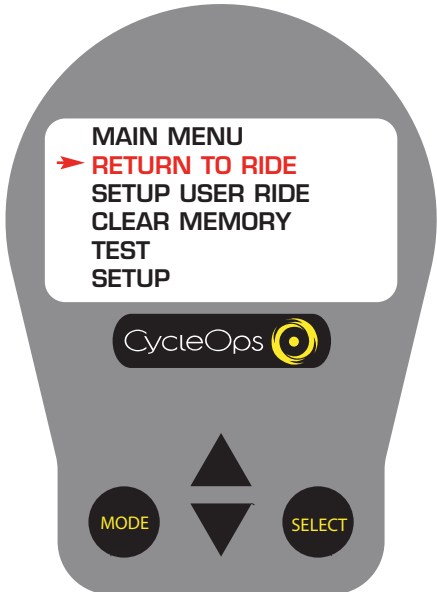
Ride Type Selection

Press any button to wake up and turn on the console. If you are using it for the first time, all data will be stored under [USER A] with the default settings for a 150 lb male born on Jan 1, 2004. You may need to reset the console if there is data from a previous ride stored on the console (see "Clear Memory" for details). NOTE: Parameters such as weight and age do not affect power output readings on the console. These settings apply only when analyzing the data on your PC.



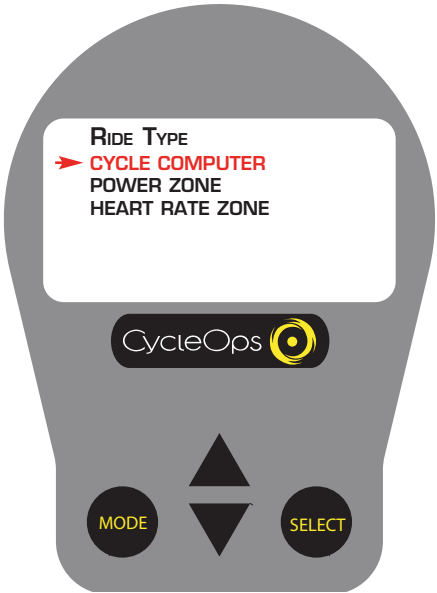
Console Setup 1

1) From the dashboard display press [UP ARROW] or [DOWN ARROW] to move the cursor to [MENU] and press [SELECT].



Console Setup 2

2) Press [SELECT] to enter [RETURN TO RIDE].

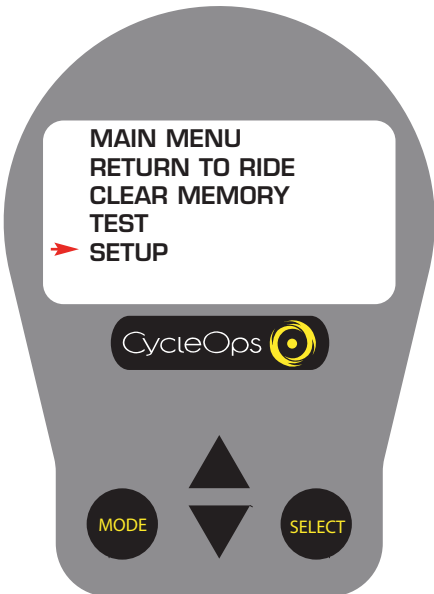


Console Setup 3

4) Press [DOWN ARROW] to choose ride type and press [SELECT] to return to dashboard display.

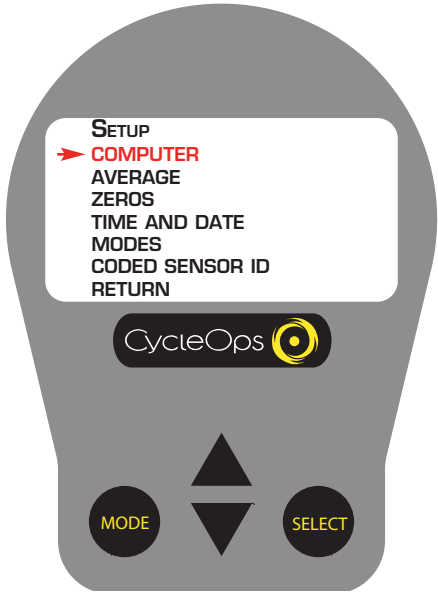
NOTE: Use PowerAgent Software to configure power zone and heart rate zone rides.

Set Up, (Recording Rate, Speed, Odometer, Audible)



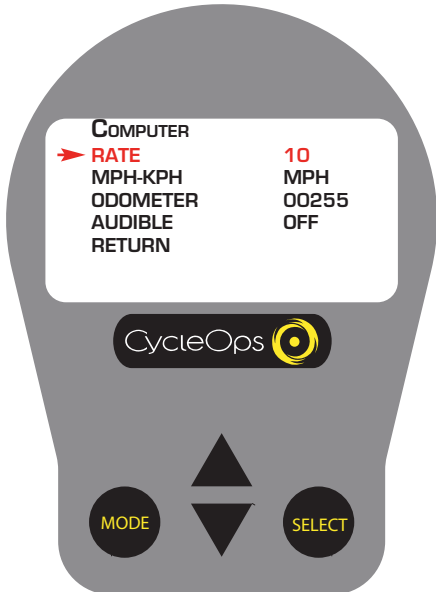
Setup 1

1) From [MAIN MENU] press [DOWN ARROW] to scroll to [SETUP] and press [SELECT].



Setup 2

4) Press [SELECT] to enter [COMPUTER] mode.

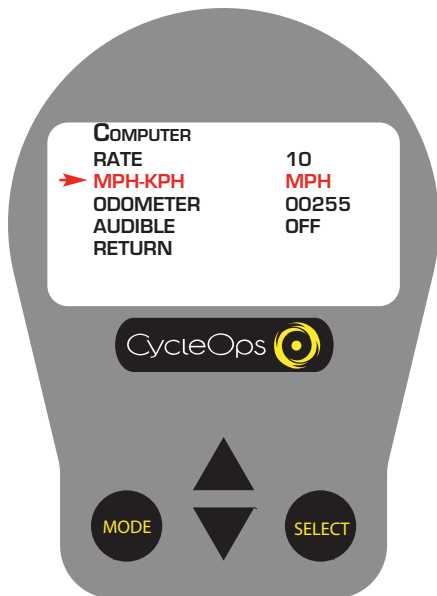


Setup 3

5) Press [SELECT] to enter [RATE]. Use [UP ARROW] or [DOWN ARROW] to toggle between 1 and 2 seconds for the recording rate of the console. Press [SELECT] to accept changes and reenter scrolling menu. NOTE: Different recording rates yield different amounts of total storage time. Refer to the chart on left to select the most appropriate storage rate. See Table 2 at left.

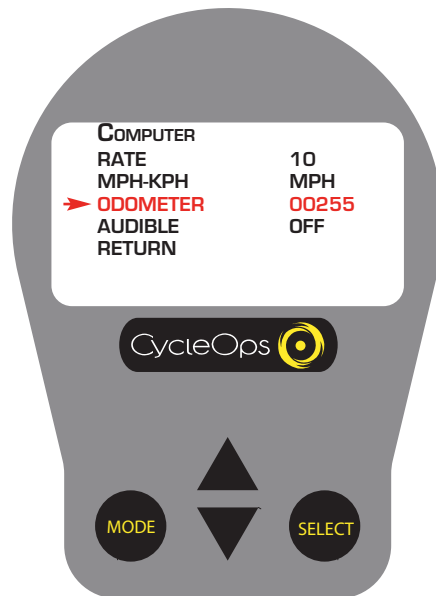
Table 2

Recording Rate (sec)	1	2
Max Recording Time (hrs)	15	30



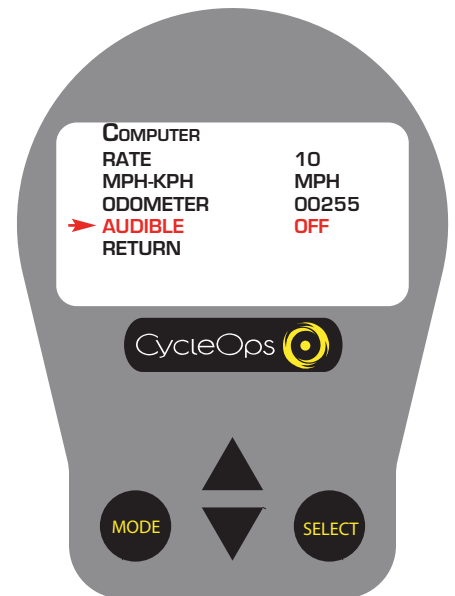
Setup 4

- 6) Press [DOWN ARROW] to scroll to [MPH-KPH] and press [SELECT].
 7) Press [DOWN ARROW] to toggle between [MPH] and [KPH] and press [SELECT] to reenter scrolling menu.



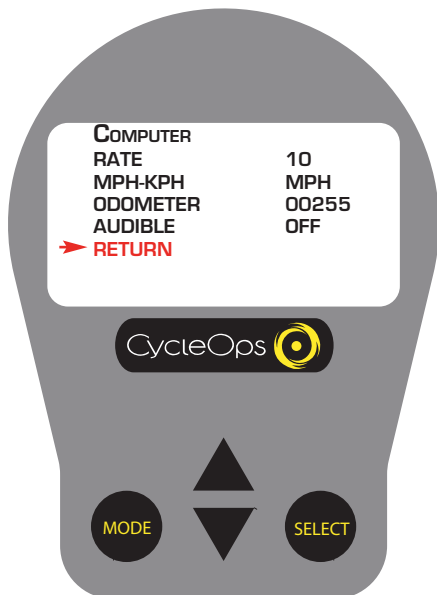
Setup 5

- 8) Press [DOWN ARROW] and scroll to [ODOMETER] and press [SELECT]. Use [UP ARROW] or [DOWN ARROW] to manually enter the starting odometer reading. Press [SELECT] to toggle through digit values. Press [SELECT] to reenter the scrolling menu.



Setup 6

- 9) Press [DOWN ARROW] and scroll to [AUDIBLE] and press [SELECT]. Use [UP ARROW] or [DOWN ARROW] to toggle between [ON] and [OFF] and press [SELECT] to accept changes and reenter scrolling menu.

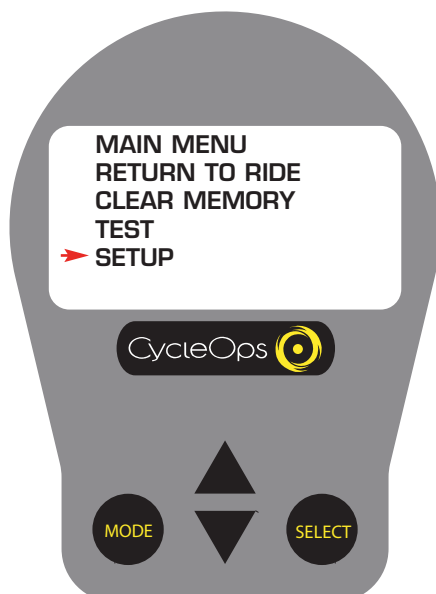


Setup 7

- 10) To begin a ride, press [DOWN ARROW] to scroll to [RETURN] and press [SELECT]. Press [DOWN ARROW] to scroll to [RETURN] and press [SELECT].

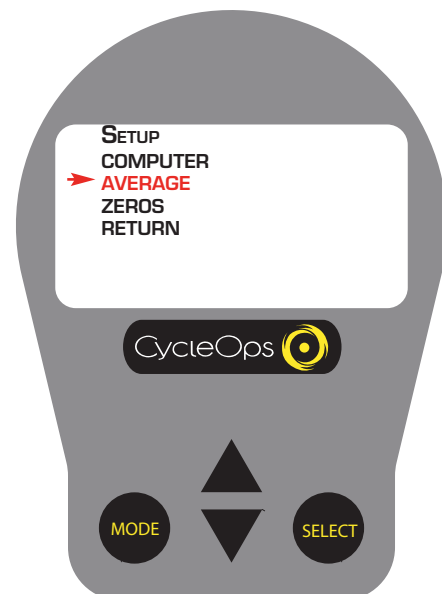
Setup (Averages)

These settings allow for better pacing during Time Trial efforts by allowing for a slower update of the display. Changing these settings applies only the display console and does not affect the recording rate for download



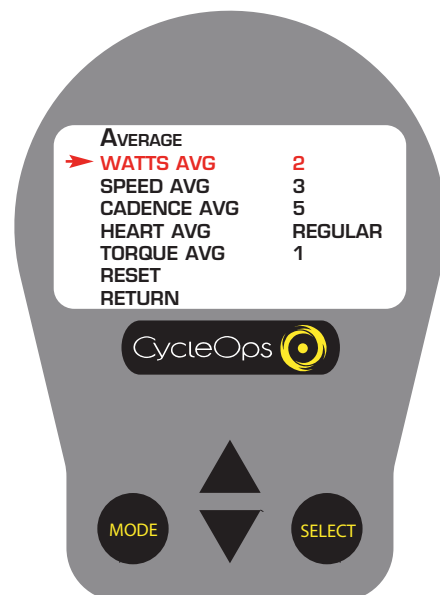
Setup (Averages) 1

1) From [MAIN MENU] press [DOWN ARROW] to scroll to [SETUP] and press [SELECT].



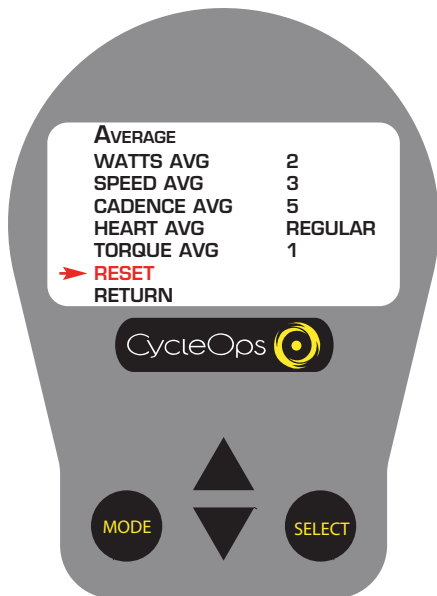
Setup (Averages) 2

4) Press [DOWN ARROW] to scroll to [AVERAGE] and press [SELECT].



Setup (Averages) 3

5) Press [SELECT] to enter [WATTS AVG]. Press [UP ARROW] or [DOWN ARROW] to determine the number of previous data points used (1, 2, 3, 5, 10, 30) to determine the average metric display on the console. This function applies only to console data averages and does not apply to downloaded information. Press [SELECT] to accept changes and reenter the scrolling menu.



Setup (Averages) 4

6) Repeat steps 3, 4, and 5 for [SPEED AVG] and [CADENCE AVG]. Press [SELECT] to accept changes and reenter scrolling menu.

7) Press [DOWN ARROW] to scroll to [HEART AVG] and press [SELECT].

8) Press [UP ARROW] or [DOWN ARROW] to toggle between [FAST], [SLOW], and [REGULAR] averaging. Press [SELECT] to accept changes and reenter scrolling menu. Selecting a slower rate of display it allows for better pacing during a time trial effort by allowing for a slower update of the display.

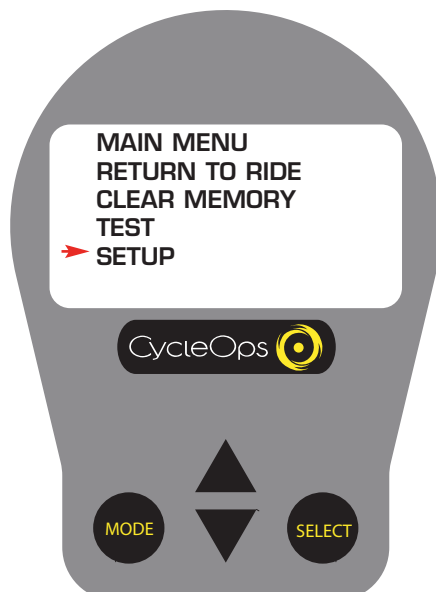
9) Press [SELECT] to enter [TORQUE AVG]. Press [UP ARROW] or [DOWN ARROW] to determine the number of previous data points used (1, 2, 3, 5, 10, 30) to determine the average. Press [SELECT] to accept changes and reenter the scrolling menu. Selecting a higher number of previous data points used allows for better pacing during a time trial effort by allowing for a slower update of the display.

10) To reset user settings press [DOWN ARROW] to scroll to [RESET] and press [SELECT].

11) To begin a ride, press [DOWN ARROW] to scroll to [RETURN] and press [SELECT]. Press [DOWN ARROW] to scroll to [RETURN] and press [SELECT].

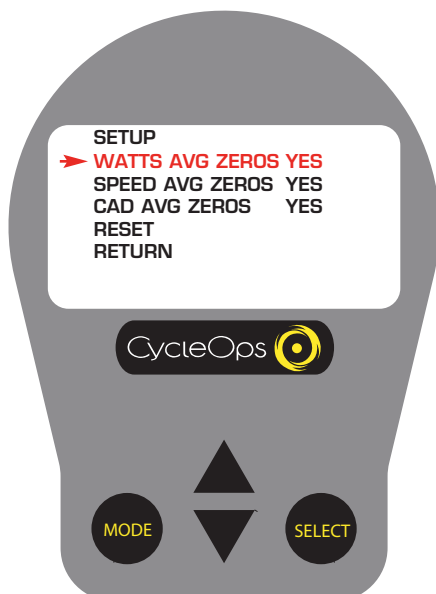
Setup (Zeros)

These settings determine if zero readings will be included in average readings. For example, when coasting zero powering readings are recorded. This setting determines if these zero coasting readings are included in the average console display.



Setup (Zeros)

1) From [MAIN MENU] press [DOWN ARROW] to scroll to [SETUP USER RIDE] and press [SELECT].

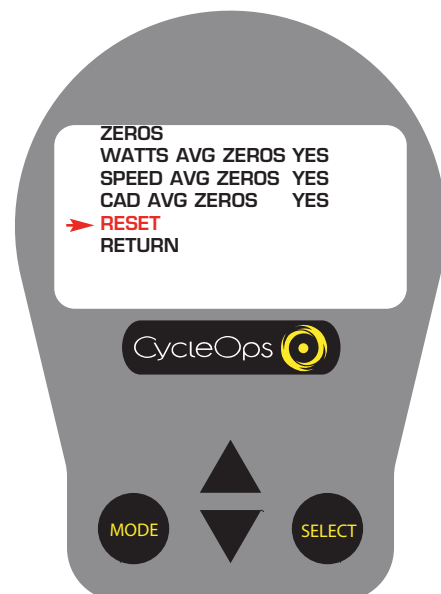


Setup (Zeros)

4) Press [DOWN ARROW] to scroll to [ZEROS] and press [SELECT].

5) Press [SELECT] to enter [WATTS AVG ZEROS]. Press [UP ARROW] or [DOWN ARROW] to toggle between [YES] or [NO]. Press [SELECT] to accept changes and reenter the scrolling menu.

6) Repeat steps 3, 4, and 5 for [SPEED AVG ZEROS] and [CAD AVG ZEROS]. Press [SELECT] to accept changes and reenter scrolling menu.



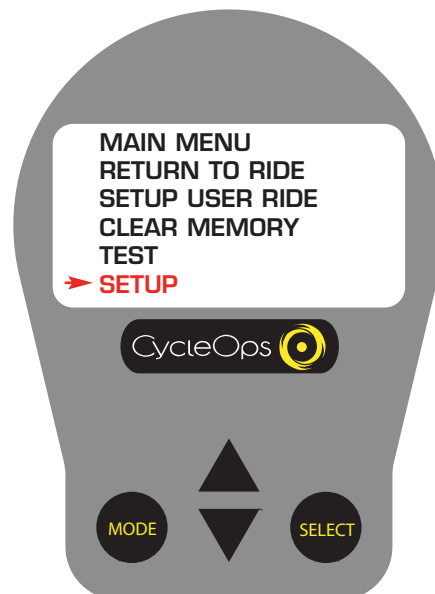
Setup(Zeros)

7) To reset user settings press [DOWN ARROW] to scroll to [RESET] and press [SELECT].

8) To begin a ride, press [DOWN ARROW] to scroll to [RETURN] and press [SELECT]. Press [DOWN ARROW] to scroll to [RETURN] and press [SELECT].

Setup (Time and Date)

Note: Be sure to set time and date as rides will appear in PowerAgent software based on console settings.



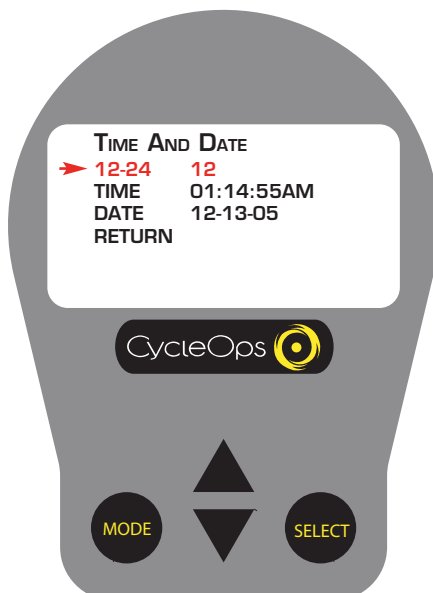
Setup (Time & Date) 1

1) From [MAIN MENU] press [DOWN ARROW] to scroll to [SETUP] and press [SELECT].



Setup (Time & Date) 2

2) Press [SELECT] to enter [TIME AND DATE].



Setup (Time & Date) 3

3) Press [SELECT] and [DOWN ARROW] to toggle between a 12 or 24 hour clock. Press [SELECT] to accept changes and reenter the scrolling menu.

4) Press [DOWN ARROW] to scroll to [TIME] and press [SELECT].

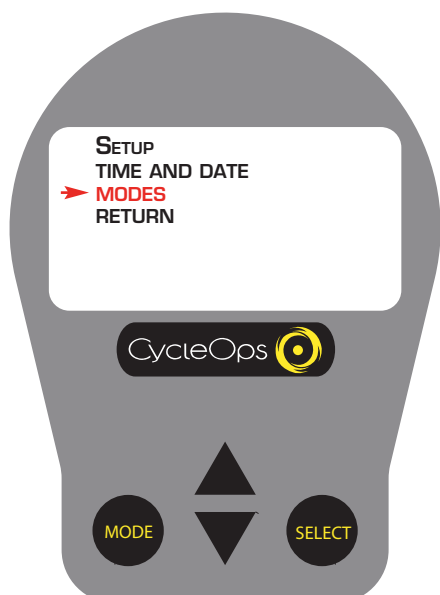
5) Press [SELECT] and [UP ARROW] or [DOWN ARROW] to enter time digits. Press [SELECT] to toggle through numbers. Press [SELECT] to accept changes and reenter scrolling menu. NOTE: Scroll through hour digits to select AM or PM times. The user is unable to modify the metric of "seconds" time function.

6) Press [DOWN ARROW] to scroll to [DATE] and press [SELECT].

7) Press [SELECT] and [UP ARROW] or [DOWN ARROW] to enter date digits. Press [SELECT] to toggle through numbers. Press [SELECT] to accept changes and reenter scrolling menu.

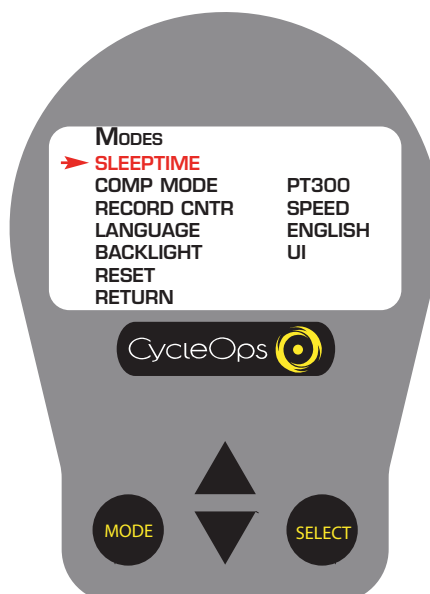
8) To begin a ride, press [DOWN ARROW] to scroll to [RETURN] and press [SELECT]. Press the [DOWN ARROW] to scroll to [RETURN] and press [SELECT].

Setup (Modes)



Setup Modes 1

- 1) From [MAIN MENU] press [DOWN ARROW] to scroll to through to [SETUP] and press [SELECT].
- 2) Press [SELECT] to enter [MODES].



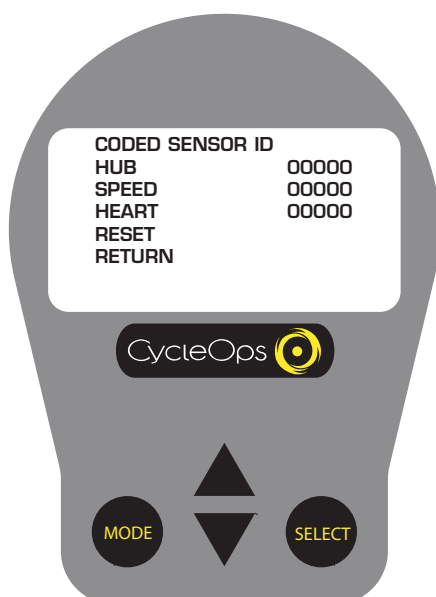
Setup Modes 2

- 3) Press [SELECT] to enter [SLEEP TIME].
- 4) Press [UP ARROW] or [DOWN ARROW] to toggle between 1-9 (displayed in minutes). This determines duration of time before the console goes to sleep without input from the bike or a heart rate signal is detected. Press [SELECT] to accept changes and reenter scrolling menu.
- 5) Press [DOWN ARROW] to scroll to [COMP MODE] and press [SELECT].
- 6) Press [DOWN ARROW] to toggle between [200E] or [PT300]. Select setting depending CycleOps Indoor Cycle model you own. Press [SELECT] to accept changes and reenter scrolling menu.
- 7) Press [DOWN ARROW] to scroll to [RECORD CNTR] and press [SELECT].
- 8) Press [DOWN ARROW] to toggle between [SPEED] and [HEART]. Press [SELECT] to accept changes and reenter scrolling menu. This function sets when the ride time clock auto starts and stops. In [SPEED] mode, the run time clock will stop when speed reaches zero. In [HEART] mode, the run time clock time will continue to record as long as heart rate signal is detected.
- 9) Press [DOWN ARROW] twice to scroll to [BACKLIGHT] and press [SELECT].
- 10) Press [DOWN ARROW] to select either [UI], [UI DATA] or [OFF]. This function determines when the backlight will be illuminated. [UI] = User Interface (when buttons are pushed), [UI DATA] = User Interface and Data input, [OFF] = Backlight is never illuminated. Press [SELECT] to accept changes and reenter scrolling menu. NOTE: Use of backlight will reduce battery life.
- 11) To reset user settings select press [DOWN ARROW] and press [SELECT].
- 12) Press [DOWN ARROW] to scroll to [RETURN] and press [SELECT] to return to [MAIN MENU].

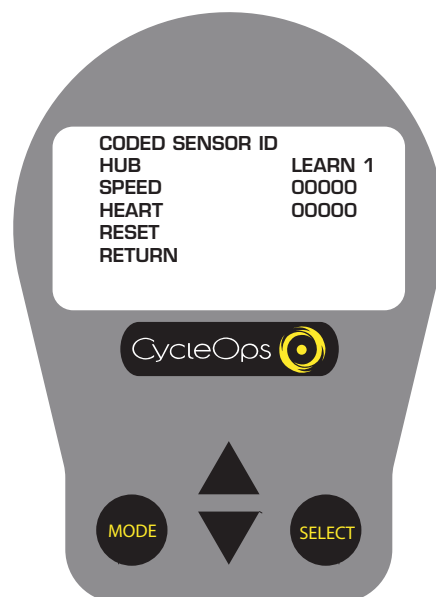
Setup (Coded Sensor ID)

Console Setup (Coded Sensor ID)

This setup allows the console to learn a new device or sensor such as the hub, heart rate strap or cadence sensor. NOTE: This process only needs to be used if a new sensor or hub is being used in conjunction with your console or vice versa. There are 2 learn sequences, 1 and 2 use learn 1.



1. To manually change the hub I.D. Push [Select] to toggle through the Hub I.D. Press [Mode] to save.



2. If you need to “learn” the hub ID, [Select] to advance through the Hub I.D. settings to learn 1.

NOTE: Make sure the hub is “awake” by spinning the wheel.

3. Learn 1 is initiated by Holding [Select] until “learn” begins flashing. When the console has learned the device I.D. it will display the I.D. Press [Up or down arrow] to advance to the next device I.D. If it did not learn the device it will take you back to the most recent I.D.

4. Follow the above steps for any additional sensors you may be using, such as the heart rate strap or cadence sensors.

Clear Memory

There are two methods to clear memory. When the memory clear is complete, the console will return to dashboard display.



Clear Memory

Option 1-

1) In dashboard display press and hold both [MODE] and [SELECT] for three (3) seconds until clear appears and release to execute clear.

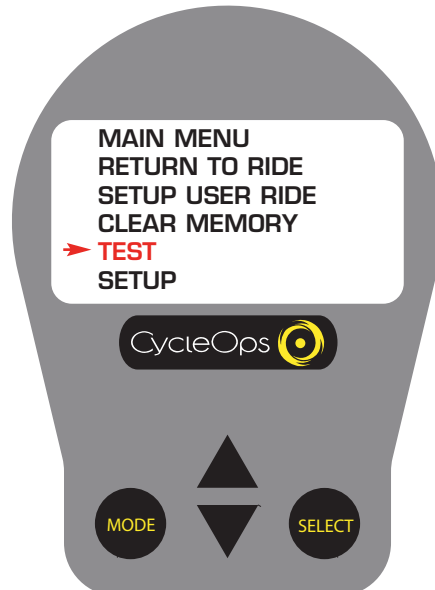
Option 2-

1) From [MAIN MENU] press [DOWN ARROW] to scroll to [CLEAR MEMORY] and press [SELECT] to execute clear.

2) Press [SELECT] to execute memory clear.

Test Information (Current Firmware Version, LCD, Backlight, Hub Heart Wheel, Torque, Data Ride and Data Test)

These tests only need to be performed when instructed by customer support staff. For questions please contact Saris Cycling Group at 1-800-783-7257 (001 608 274 6550 international).



Test Information

1) From [MAIN MENU] press [DOWN ARROW] to scroll to through to [TEST] and press [SELECT].

2) Press [SELECT] and current firmware version information is listed. For updates please visit www.cycleops.com or contact Saris Cycling Group 1-800-783-7257 (001 608 274 6550 international).



About

3) Press [SELECT] to reenter [TEST] mode. Press [DOWN ARROW] and press [SELECT].

4) Press [DOWN ARROW] to scroll to [LCD TEST] and press [SELECT].

5) Press [SELECT] to end test.

6) Repeat steps 4 and 5 [BACKLIGHT], [HUB HEART WHEEL], [TORQUE], [DATA RIDE], and [DATA TEST].

7) Press [DOWN ARROW] to scroll to [RETURN] and press [SELECT] to return to [MAIN MENU].

RF Interference

If during use you are experiencing wireless drop out this is due to frequency interference. Wireless Internet access points, microwaves, cordless phones, or other wireless devices may cause frequency interference. To mitigate the chance of interference set wireless access points to the lowest channel possible, and keep bikes away from interfering devices. To change the channel on your access point, please consult your manufacturers documentation or your technology staff.

Glossary

Heart Rate (HR) - This displays current HR. Max/Avg values are displayed if Max or Avg is selected. Note that a non-coded chest strap or a CycleOps 2.4 Chest strap must be used in order for the console to pick up HR.

Watts - Real-time display of the effort you are putting in to pedaling the bike. This is your power reading. **If you press the select button while the cursor is pointing to Watts the line changes to "inch-lbs". This is the raw torque value that is being applied to the hub, NOT your power in watts.

****Zones** - If you choose to train in HR or power Zone mode, the corresponding zone for your given output will be displayed. See "Setting up Zones"

****Adjusting parameters of the tachometer** - The "H" stands for "High" This part of the display is included to give you a visual interpretation of how hard you are working compared to a fixed wattage value. You can change the maximum value by toggling the cursor to the "H" and pressing select. You can change the high values between 400, 600, 800 or 1000 watts.

ANAR TH (AT) = Anaerobic Threshold = the point at which the demands of exercise can no longer be met by available aerobic sources and at which an increase in anaerobic metabolism occurs and is demonstrated by an increase in blood lactate concentration.

Arrows = the "up" and "down" D located on the console

AVG = Average

Cadence (CAD) - The number of pedal revolutions per minute. The rate of pedaling is shown from 0 to 140 RPM.

Cursor = the ® arrow located on console screen

KPH = Kilometers Per Hour

MAX = Max

Metrics = a standard of measurement

MPH = Miles Per Hour

Scroll = to move vertically through available menu or screen options

Speed - The estimated speed that you would be traveling on a flat road with no wind is displayed here.

Toggle = to move horizontally through alphanumeric digits

UI = User Interface

Saris Cycling Group
5253 Verona Road
Madison, WI 53711
800.783.7257
608.274.6550

16105G 08/08